

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020867**Date Inspected:** 11-Feb-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Yu Iao (ABF)**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** BAY 14 OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Robert A.DeArmond was present during the time noted above and conducted observations relative to the work being performed.

OBG BAY 14

This QA Inspector observed the following work in progress:

SMAW welding of complete joint penetration weld joint(s) located on lift 14A East Line SEG3019BB Vertical Plate to Bottom Plate weld number(s) 081. Welder is identified as welder no. 0215553. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-345-SMAW-2G (2F)-FCM-Repair and BWR-2737.

During random in process inspection of Orthotropic Box Girder (OBG) member identified as SEG3019BB-169 this QA observed Carbon Arc Gouging on Piece Mark (PCMK) identified as SA3364. This QA observed CWR-2737 provided by ABF Quality Assurance (QA) identified as Mr. Yu Iao. Mr. Iao informed this QA that CWR-2737 would be followed in a manner compliant with the contract documents.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

During random in process inspection of Orthotropic Box Girder (OBG) member identified as SEG3019BB-147 this QA observed Carbon Arc Gouging on Piece Mark (PCMK) identified as SA3358. This QA observed CWR-2737 provided by ABF Quality Assurance (QA) identified as Mr. Yu Iao. Mr. Iao QA informed this QA that CWR-2737 would be followed in a manner compliant with the contract documents.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

As mentioned above between QA and QC concerning this project

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jim Devy 150-002-6784, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	DeArmond,Robert	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley,Ken	QA Reviewer

---